

## EAST Search History

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
S1	1	"20050179728"	US-PGPUB; USPAT	OR	OFF	2006/02/23 11:49
S2	1	"20050174386"	US-PGPUB; USPAT	OR	OFF	2006/02/22 09:47
S3	20	("5131539" "5244087" "5244092" "5262802" "5279410" "5400060" "5414454" "5667063" "5701995" "5781208" "5812166" "5831652" "5850238" "5917514" "5934475" "5940104" "6047816" "6283587" "6286946" "6412933").PN.	US-PGPUB; USPAT	OR	OFF	2006/02/22 11:25
S4	4	("6502701" "6533405" "6588875" "6634732").pn.	US-PGPUB; USPAT	OR	OFF	2006/02/22 10:39
S5	1	"20020140763"	US-PGPUB; USPAT	OR	OFF	2006/02/22 10:39
S6	7	printhead with nozzle with encapsulant with bead	US-PGPUB; USPAT	OR	OFF	2006/02/22 11:30
S8	0	printhead with nozzle near encapsulant with bead near tape	US-PGPUB; USPAT	OR	OFF	2006/02/22 11:32
S9	0	packaging with tape with seal with nozzle with printhead	US-PGPUB; USPAT	OR	OFF	2006/02/22 11:33
S10	50	printhead with seal with nozzle with plate	US-PGPUB; USPAT	OR	OFF	2006/02/22 13:08
S11	4	S10 and encapsulant with bead	US-PGPUB; USPAT	OR	OFF	2006/02/22 13:06
S14	1	printhead with tape with seal with nozzle with plate	US-PGPUB; USPAT	OR	OFF	2006/02/22 13:09
S15	67	printhead with tape with nozzle with plate	US-PGPUB; USPAT	OR	OFF	2006/02/22 13:22
S16	2089	347/20,22,29,47.ccls.	US-PGPUB; USPAT	OR	OFF	2006/02/22 13:22
S18	19	S16 and encapsulant with bead	US-PGPUB; USPAT	OR	OFF	2006/02/24 14:27
S19	8	("5400060"   "5414454"   "5424768"   "5850238"   "5917514"   "6102518"   "6406607"   "6457824").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2006/02/22 13:41
S23	339	S16 and tape	US-PGPUB; USPAT	OR	OFF	2006/02/22 13:54
S26	36	nozzle same tape same encapsulant	US-PGPUB; USPAT	OR	OFF	2006/02/22 15:22
S27	41	nozzle same tape same encapsulant	US-PGPUB; USPAT	OR	ON	2006/02/22 16:06

## EAST Search History

S28	28	S27 and width	US-PGPUB; USPAT	OR	ON	2006/02/22 16:13
S32	4	("4312916"   "4524104"   "4987186"   "5051759").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2006/02/22 16:58
S33	26	("20020008726"   "20020015070"   "20020027580"   "20020126178"   "5333007"   "5530463"   "5534896"   "5534897"   "5563637"   "5619232"   "5627573"   "5661510"   "5790146"   "5867184"   "5988789"   "6007177"   "6042216"   "6135585"   "6139129"   "6145968"   "6209983"   "6220689"   "6299299"   "6398338"   "6422681"   "6447094").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2006/02/23 08:02
S34	32	printhead same tape same seal same nozzle	US-PGPUB; USPAT; USOCR	OR	ON	2006/02/23 08:02
S35	249	"361"/\$.ccls. and tape with automated with bonding with circuit	US-PGPUB; USPAT	OR	OFF	2006/02/23 11:51
S37	41	S35 and encapsulant	US-PGPUB; USPAT	OR	OFF	2006/02/23 15:22
S39	23	printhead with sealing with nozzle with plate	US-PGPUB; USPAT	OR	OFF	2006/02/23 15:26
S40	54	nozzle with tape with shape	US-PGPUB; USPAT	OR	OFF	2006/02/23 15:27
S41	1605	nozzle with tape	US-PGPUB; USPAT	OR	OFF	2006/02/23 15:28
S42	258	S41 and printhead	US-PGPUB; USPAT	OR	OFF	2006/02/23 15:28
S43	54	nozzle with tape with shape	US-PGPUB; USPAT	OR	OFF	2006/02/24 14:33
S44	7	tape with shape with hourglass	US-PGPUB; USPAT	OR	OFF	2006/02/24 14:33
S45	236	("5131539" "5244087" "5244092" "5262802" "5279410" "5400060" "5414454" "5667063" "5701995" "5781208" "5812166" "5831652" "5850238" "5917514" "5934475" "5940104" "6047816" "6283587" "6286946" "6412933").PN	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/05/25 10:51
S46	5	("3883060"   "4896788"   "4977003"   "4986859"   "5262802").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2006/05/25 10:44

## EAST Search History

S47	1	S45 and encapsulant near bead	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/05/25 10:52
S49	1368	347/20,22.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/05/25 11:09
S50	881	347/29.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/05/25 10:58
S51	531	347/49.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/05/25 10:59
S52	0	S49 and (inkjet\$3 or ink adj jet\$3) with head same (nozzle or orifice) same encapsulant near bead same tape	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/05/30 10:18
S53	0	S49 and (inkjet\$3 or ink adj jet\$3) with head same (nozzle or orifice) same encapsulant same tape	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/05/30 10:19
S54	1	S49 and (inkjet\$3 or ink adj jet\$3) with head same (nozzle or orifice) same encapsulant	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/05/30 10:20
S55	0	S49 and heater near chip same (nozzle or orifice) same encapsulant	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/05/30 10:20

## EAST Search History

S56	5	S49 and (nozzle or orifice) same encapsulant same tape	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/05/30 10:20
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## EAST Search History

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L1	883	347/29.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/05/30 10:18
L2	0	L1 and (inkjet\$3 or ink adj jet\$3) with head same (nozzle or orifice) same encapsulant near bead same tape	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/05/30 10:18
L3	0	L1 and (inkjet\$3 or ink adj jet\$3) with head same (nozzle or orifice) same encapsulant same tape	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/05/30 10:19
L4	5	L1 and (nozzle or orifice) same encapsulant same tape	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/05/30 10:19
L5	531	347/49.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/05/30 10:20
L6	0	L5 and (inkjet\$3 or ink adj jet\$3) with head same (nozzle or orifice) same encapsulant	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/05/30 10:20
L7	0	L5 and heater near chip same (nozzle or orifice) same encapsulant	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/05/30 10:20
L8	0	L5 and (nozzle or orifice) same encapsulant same tape	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/05/30 10:20

## EAST Search History

L9	3030	347/86,87.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/05/30 10:21
L10	2417	347/86.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/05/30 10:21
L11	1	10 and (nozzle or orifice) same encapsulant near bead	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/05/30 10:28
L12	8	10 and (nozzle or orifice) near plate same tape	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/05/30 10:43
L13	2	10 and (nozzle or orifice) near plate same over same nozzles same tape	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/05/30 10:31
L14	1	("6161915").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2006/05/30 10:36
L15	3	("6260942").URPN.	USPAT	OR	OFF	2006/05/30 10:37
L16	744	347/87.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/05/30 10:43
L17	0	16 and (nozzle or orifice) same encapsulant near bead	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/05/30 10:44

## EAST Search History

L18	14	16 and (nozzle or orifice) same encapsulant	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/05/30 11:12
L19	0	(nozzle or orifice) same encapsulant same protect\$3 near tape	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/05/30 11:13
L20	113	(nozzle or orifice) same protect\$3 near tape	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/05/30 11:20
L21	0	20 and heater near chip	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/05/30 11:14
L22	43	20 and distance	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/05/30 11:14
L23	23	(nozzle or orifice) same protect\$3 near tape same over same nozzles	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/05/30 11:25
L24	223	protective near tape same shape	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/05/30 11:26
L25	0	24 and (nozzle or orifice) near plate	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/05/30 11:26

## EAST Search History

L26	21	24 and (nozzle or orifice)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/05/30 11:27
L27	1	347/22,29.ccls. and nozzle near plate same encapsulant near bead	US-PGPUB	OR	ON	2006/05/30 11:31
L28	0	347/22,29.ccls. and nozzle near plate same encapsulant near bead.clm.	US-PGPUB	OR	ON	2006/05/30 11:33
L29	1	347/47.ccls. and nozzle near plate same encapsulant near bead.clm.	US-PGPUB	OR	ON	2006/05/30 11:33
L30	1	347/47.ccls. and (nozzle or orifice) near plate same encapsulant near bead.clm.	US-PGPUB	OR	ON	2006/05/30 11:34
L31	0	347/22,29.ccls. and (nozzle or orifice) near plate same encapsulant near bead.clm.	US-PGPUB	OR	ON	2006/05/30 11:33
L32	0	347/87.ccls. and (nozzle or orifice) near plate same encapsulant near bead.clm.	US-PGPUB	OR	ON	2006/05/30 11:35
L33	0	347/87.ccls. and (nozzle or orifice) near plate same encapsulant near bead same (protect\$ or protective) near tape.clm.	US-PGPUB	OR	ON	2006/05/30 11:35
L34	0	347/47.ccls. and (nozzle or orifice) near plate same encapsulant near bead same (protect\$ or protective) near tape.clm.	US-PGPUB	OR	ON	2006/05/30 11:35
L35	0	347/22,29.ccls. and (nozzle or orifice) near plate same encapsulant near bead same (protect\$ or protective) near tape.clm.	US-PGPUB	OR	ON	2006/05/30 11:35
L36	0	347/49.ccls. and (nozzle or orifice) near plate same encapsulant near bead same (protect\$ or protective) near tape.clm.	US-PGPUB	OR	ON	2006/05/30 11:35
L37	0	347/49.ccls. and (nozzle or orifice) near plate same encapsulant near bead.clm.	US-PGPUB	OR	ON	2006/05/30 11:35
L38	0	347/50.ccls. and (nozzle or orifice) near plate same encapsulant near bead.clm.	US-PGPUB	OR	ON	2006/05/30 11:36



## EAST Search History

L44	0	spivey-paul.in.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/05/30 11:49
L45	15	spivey-paul-t.in.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/05/30 11:51
L46	8	rose-william-b.in.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/05/30 11:51
L47	2884	lexmark.as.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/05/30 11:51
L48	16	(nozzle or orifice) near plate same protect\$3 near tape	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/05/30 11:55
L49	90	(nozzle or orifice) near plate same encapsulant	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/05/30 11:57
L50	2	47 and (nozzle or orifice) near plate same protect\$3 near tape	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/05/30 11:55
L51	14	47 and (nozzle or orifice) near plate same encapsulant	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/05/30 11:55
L52	2	("5414454").URPN.	USPAT	OR	OFF	2006/05/30 13:00

## EAST Search History

L53	5	("5439956"   "5442386"   "5519421"   "5538586"   "5604521").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2006/05/30 13:19
L54	13	(nozzle or orifice) same protect\$3 near tape same shape	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/05/30 13:21
L57	1	206/216.ccls. and protect\$3 near tape same shape	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/05/30 13:22
L58	6	206/216.ccls. and protect\$3 near tape	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/05/30 13:22
L59	14	206/216.ccls. and (protect\$3 or seal\$3) near tape	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/05/30 13:23
L60	403	"347"/\$.ccls. and (protect\$3 or seal\$3) near tape	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/05/30 13:23
L61	236	60 and (nozzle or orifice) near plate	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/05/30 13:25
L62	50	61 not silverbrook.in.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/05/30 13:38
L63	7	347/29.ccls. and protect\$3 near tape	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/05/30 13:39